## INTERNATIONAL SEARCH REPORT

Interpretional pilication No PC 03/11825

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A01M1/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 A01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

	INTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/116866 A1 (AESCH HAROLD W ET AL) 29 August 2002 (2002-08-29)  paragraph '0016! - paragraph '0017! paragraph '0019! paragraph '0021!; figures	1-6, 10-13, 15,16
X	US 2002/134004 A1 (GORDON GLENN) 26 September 2002 (2002-09-26) paragraph '0050! paragraph '0056! - paragraph '0058! paragraph '0067!; figures 1-4,8	1-6, 10-13
A	WO 96 32009 A (FMC CORP) 17 October 1996 (1996-10-17)	1
X	page 2, line 9 - line 23 page 3, line 32 -page 4, line 10; figures 1-4	10,11,13

Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
Special categories of cited documents:  A document defining the general state of the art which is not considered to be of particular relevance  E earlier document but published on or after the International filing.  L document state may throw doubts on priority claim(s) or which a state may throw doubts on priority claim(s) or which a state to establish the publication date of another citation or other special reason (as specified)  O document reterring to an oral disclosure, use, exhibition or other means  P document published prior to the international filing date but later than the priority date claimed	<ul> <li>*T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>*&amp;* document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
16-February 2004	25/02/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Bunn, D

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C.(Continue	tion) DOCUMENTS CONSIDERED TO BE RELEVANT		7 11625
Category °	Citation of document, with Indication, where appropriate, of the relevant passages		Relevant to claim No.
A	US 2002/148157 A1 (ROLLINS R RANDALL) 17 October 2002 (2002-10-17) paragraph '0041!; figure 8		1,10
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